



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

2634  
41

RECEIVED  
OCT 19 2004  
Technology Center 2600

Patent Application

Inventors: Lee-Fang Wei

Case No.: 52

Serial No.: 09/758,958

Group Art Unit: 2634

Filing Date: January 11, 2001

Examiner: Dac V. Ha

Title: BANDWIDTH-EFFICIENT MODULATION IN COMMUNICATION  
SYSTEMS

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

RESPONSE UNDER 37 C.F.R. §§ 111, 112, 121

This is a reply to the Office Action mailed June 7, 2004. A petition for a one-month extension of time is being filed concurrently with this response.

Date of Deposit	October 7, 2004
I hereby certify that this correspondence is being deposited with the United States Postal Service in a First Class Mail envelope on the date indicated above and is addressed to:	
Mail Stop	Amendment
Commissioner for Patents	
P.O. Box 1450	
Alexandria, VA 22313-1450.	
Printed name of person mailing paper or fee	Catherine F. Dugan
Signature of person mailing paper or fee	<i>Catherine F. Dugan</i>

**a.     Introductory Comments**

Applicants filed claims 1 – 29.

The Office Action withdraws claims 19 – 27, rejects claims 1 – 5 and 12 – 18, and objects to claims 6 – 11.

The Office Action does not mention claims 28 – 29.

Herein, Applicants amend claims 1, 6, 12, and 16; cancel claims 2 – 4, 7 – 9, 13 – 14, and 19 – 29; and add new claims 30 - 33.

Applicants request reconsideration.